

IN THE CLAIMS

Please cancel without prejudice claims 39 and 40. Please amend claims 1-9, 11, 29, 30 and 35-44 as noted below. Add new claims 45 and 46. The list of pending claims follows:

DI 1. (Currently Amended): A stent assembly for maintaining the patency of a body lumen comprising an expandable stent with a cylindrical jacket encircling the stent and secured thereto formed of biocompatible, non-thrombogenic material which has a thin ~~thinned~~ layer of heterologous tissue less than 0.45 mm thick ~~and which has a surface formed from removal of an outer layer of the tissue.~~

2. (Previously amended): The stent assembly of claim 1 wherein the cylindrical jacket comprises a type of heterologous tissue selected from the group consisting of pericardium, aortic leaflet, veins, and arteries, the removed outer layer being the same type of tissue as the thinned layer of tissue.

3. (Previously amended): The stent assembly of claim 2, wherein the heterologous tissue is a pericardium selected from the group consisting of bovine pericardium and porcine pericardium.

4. (Original): The stent assembly of claim 3, wherein the heterologous tissue comprises bovine pericardium with cross-linked collagen.

5. (Original): The stent assembly of claim 1 including at least one therapeutic or diagnostic agent releasably contained in the cylindrical jacket.

6. (Original): The stent assembly of claim 1 wherein the material is expandable.

7. (Original): The stent assembly of claim 1 wherein the stent comprises a metallic tubular member.

8. (Original): The stent assembly of claim 1 wherein the cylindrical jacket is on an exterior surface of the stent.

9. (Previously amended): The stent assembly of claim 1 wherein the cylindrical jacket is disposed within the stent.

10. (Withdrawn)

11. (Currently amended): A cylindrical jacket formed of a thin layer of heterologous tissue which is less than 0.45 mm thick and which is configured to fit over ^{D2} ~~a portion of an intraluminal stent comprising a thinned layer of tissue which is less than 0.45 mm thick and which has a surface formed from removal of an outer layer of the~~ tissue.

12. (Withdrawn)

13. (Withdrawn)

14. (Withdrawn)

15. (Withdrawn)

16. (Withdrawn)

17. (Withdrawn)

18. (Withdrawn)

19. (Withdrawn)

20. (Withdrawn)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Currently Amended): An expandable jacketed stent comprising a metallic tubular member which has an outer surface and is configured to expand from a first circumference to a second circumference, and a cylindrical jacket which is formed of heterologous tissue less than 0.045 0.45 mm thick ~~on an~~ and which encircles the outer surface of the stent in a wrapped configuration configured to unwrap as the stent expands.

30. (Previously amended): The jacketed stent of claim 29 wherein the jacket has a circumference on the unexpanded stent larger than the first circumference of the stent, and a circumference on the expanded stent about equal to the second circumference of the stent.

31. (Cancelled)

32. (Withdrawn)

33. (Cancelled)

34. (Cancelled)

35. (Previously added): The stent assembly of claim 1, wherein the cylindrical jacket has a length less than a length of the stent.

36. (Previously added): The stent assembly of claim 1, wherein the cylindrical jacket has a length greater than a length of the stent, the length of the cylindrical jacket being not more than 5% greater than the length of the stent.

37. (Previously added): The stent assembly of claim 1, wherein the stent is expandable from an unexpanded configuration to an expanded configuration, and wherein the cylindrical jacket has a circumference on the unexpanded stent larger than a circumference of the stent in the unexpanded configuration, and a circumference on the expanded stent about equal to a circumference of the stent in the expanded configuration.

38. (Previously added): The jacketed stent of claim 29 wherein the jacket in the wrapped configuration on the unexpanded stent is wrapped about the stent and at least a section of itself so that multiple layers of jacket are present on at least part of the unexpanded stent.

39. (Cancelled): The jacketed stent of claim 38 wherein the jacket is a ribbon spirally wrapped about the unexpanded stent with adjacent turns of the ribbon overlapping.

40. (Cancelled): The jacketed stent of claim 38 wherein the jacket has a first edge and a second edge extending the length of the jacket, the first edge overlapping the second edge to form the wrapped configuration the first edge being free to unwrap around the stent upon expansion of the stent.

41. (Previously added): The jacketed stent of claim 38 including at least one securing member releasably fixing the jacket in the wrapped configuration prior to expansion of the stent.

42. (Previously added): The jacket stent of claim 29 wherein the jacket is a thinned layer of tissue having a thickness of about 0.05 mm to about 0.20 mm.

43. (Previously added): The stent assembly of claim 1 wherein the tissue surface is a cut surface formed by removal of the outer layer of tissue by a method selected from the group consisting of peeling and shaving.

44. (Previously added): The stent assembly of claim 43 wherein the cut surface extends along a length of the jacket, so that the jacket has a reduced outer diameter along the length of the jacket.

D4 45. (New) The stent assembly of claim 1 wherein the thin layer of heterologous tissue has a surface formed from removal of an outer layer thereof.

46. (New) The cylindrical jacket of claim 11 wherein a surface thereof has been formed by removing an outer layer thereof.
